

TO RECEIVE A BID PACKAGE, BIDDER MAY EITHER DOWNLOAD THE BID FROM THE AUTHORITY'S WEBSITE AT <http://www.state.nj.us/turnpike/purchasing.html> OR REQUEST A BID BY COMPLETING THIS FORM AND FAXING IT TO THE NUMBER STATED BELOW FOR RECORD KEEPING PURPOSES. WE REQUEST THAT THE BIDDER COMPLETE THIS FORM AND RETURN TO US, EVEN WHEN BIDDER IS DOWNLOADING THE BID. THIS IS THE ONLY NOTICE OF BIDDING FOR THE FOLLOWING GOODS / SERVICES YOU WILL RECEIVE.

**THE NEW JERSEY TURNPIKE AUTHORITY  
PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT**

P.O. Box 5042  
581 Main Street  
Woodbridge, New Jersey 07095-5042  
Tel. - 732-750-5300  
Fax - 732-750-5399

**REQUEST FOR BIDS**

**TITLE: 4-WHEEL DRIVE 72" ROTARY REAR DISCHARGE RIDING MOWER**

**BID NO: R-105578**

**DUE DATE: FEBRUARY 4, 2014**

**TIME: 2:00 PM**

**SUBMIT BIDS BEFORE THE DUE DATE AND TIME TO THE ABOVE ADDRESS**

BIDDER INFORMATION (PLEASE PRINT)

\_\_\_\_\_  
NAME OF BIDDING ENTITY

\_\_\_\_\_  
ADDRESS

\_\_\_\_\_  
CITY, STATE AND ZIP CODE

\_\_\_\_\_  
E-MAIL ADDRESS

\_\_\_\_\_  
REPRESENTATIVE TO CONTACT-NAME & TITLE

\_\_\_\_\_  
TELEPHONE NO.

\_\_\_\_\_  
FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO.

\_\_\_\_\_  
FAX NO

☐ **WE HAVE DOWNLOADED THE BID FROM THE AUTHORITY WEBSITE**

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**(TO BE COMPLETED BY THE BIDDER)**

Please Print

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\_\_\_\_\_  
ADDRESS

\_\_\_\_\_  
CITY, STATE AND ZIP CODE

\_\_\_\_\_  
E-MAIL ADDRESS

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\_\_\_\_\_  
FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO.

\_\_\_\_\_  
FAX NO.

\_\_\_\_\_  
BUSINESS CORPORATION PARTNERSHIP INDIVIDUAL

\_\_\_\_\_  
OTHER (SPECIFY): \_\_\_\_\_

## **BIDDER GUIDELINES/CHECKLIST**

PURSUANT TO N.J.S.A. 27:23-6.1 AND N.J.A.C. 19:9-2.1 et seq. BID PROPOSALS WHICH FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. Bids must be received at or before the public opening time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 581 Main Street, Woodbridge, New Jersey 07095. Telephone or Facsimile bids will not be accepted.
2. The bid proposal must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Bids must be firm through issuance of contract.
3. All bid proposal prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the bidder.
5. **Have you included the following documents?**
  - (a) State of New Jersey Division of Revenue Business Registration Certificate(s)
  - (b) Certification of Registration with the Secretary of State (only if a foreign (non- NJ) corporation)
  - (c) Acknowledgement of Requirement for Disclosure of Political Contributions (ELEC)
  - (d) Public Works Contractor Registration Certificate(s) (if applicable)
  - (e) Affirmative Action Information Sheet with Certificate or Form AA302
  - (f) Signed Mandatory Equal Employment Opportunity Language
  - (g) SBE/WBE/MBE Certificates and Form
  - (h) Vendor Disclosure Form (EO129 - Location of Services)
  - (i) Notice of Set-Off for State Tax (P.L. 1999, c.159)
  - (j) Automobile Waiver
  - (k) Insurance Requirement
  - (l) **See the Authority's Instructions to Bidders (attached) for a complete list of the Authority's standard contract Terms and Conditions, as well as Required Forms that must be included with the bid.**
6. **Failure to comply with the requirements set forth in 1-5 above may result in bid rejection.**
7. **This Request for Bids requires the following Mandatory Documents or the bid will be rejected:**
  - Stockholder/Partnership Disclosure Statement**
  - Bid Bond and/or Letter of Surety, Cashiers Check Requirement**
8. Bidder must sign the Bid, or it may be rejected.
9. 3-Year Open End Option

**REQUEST FOR BIDS**  
**THIS IS NOT AN ORDER**

Sealed Bid R-105578 will be received at the New Jersey Turnpike Authority Administrative Offices, 581 Main St., Woodbridge, New Jersey, as stated on the cover page at which time and place said bid will be publicly opened and read. Bidders mailing bids should allow for their normal mail delivery time to ensure timely receipt of their Public Bids. Please be advised that using overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any bid not being received by the required date and time.

**INTENTION**

It is the intention of the Authority to issue a Purchase Order for the purchase of ten (10) **4-WHEEL DRIVE 72" ROTARY REAR DISCHARGE RIDING MOWER, AS PER ATTACHED SPECIFICATIONS.** Items purchased under this Contract will be delivered as directed by the Authority. Please contact Richard Bava with any questions regarding this procurement at 732-750-5300 X 8636.

**BID SHEET INSTRUCTIONS**

Prospective Bidders should follow all instructions in this Request for Bids and in the standard Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this Request for Bids (collectively, "Bid Documents"). Prospective Bidders must examine the Bid Documents carefully before bidding and must ask the Director of Procurement and Materials Management in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. Any written request for interpretation or correction shall be directed to the Director of Procurement and Materials Management. Written requests can be submitted by FAX at 732-750-5399. If necessary, an interpretation or correction shall be issued by the Director of Procurement and Materials Management as an Addendum and FAXED to prospective Bidders who have obtained the Bid Documents. Upon the issuing of an Addendum, the content of the Addendum shall become part of the Bid Documents. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the bid opening date.**

Only written interpretations or corrections issued by the Director of Procurement and Materials Management by Addendum shall be binding.

The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its Bid, fails to notify the Director of Procurement and Materials Management of the existence of an ambiguity, inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the interpretation of such ambiguity or inconsistency. All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the bidder. Bids containing any conditions, omissions, erasures, alterations, or items not called for in this Request for Bids, or irregularities of any kind, may be rejected by the Authority, in its sole discretion, as being incomplete. The bidders shall not attach conditions, limitations or provisos to their Bid, except in cases where "Exceptions" are permitted.

**The Authority will accept Approved Equivalent items on this bid.** If a bidder is basing the proposal on items other than what is specified, and wishes the items he proposes to be considered as an "Approved Equivalent," the Bidder shall enter a price on the bid sheet then submit on the Exception Sheet in the exact format of the line item on the Request for Bids contained herein, the item number, an item description, including manufacturers name, model number, and packaging quantities of those Items which the Bidder proposes to substitute.

Bidders must quote only one price per line item. If a bidder quotes multiple prices per line item, the bid proposal may be rejected. All items are to be bid FOB Destination. All shipping, handling, and other costs should be considered in the bid price. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases to line item quantities.

**Contract award will be made to the lowest, responsible bidder for the Total Bid Price.**

## **BID PRICE FORM**

<b>ITEM</b>	<b>QUAN.</b>	<b>UNIT OF MEAS.</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL BID PRICE</b>
1	10	Each	<b>4-WHEEL DRIVE 72" ROTARY REAR DISCHARGE RIDING MOWER, PER ATTACHED SPECIFICATIONS.</b>	\$	\$

**Contract award will be made to the lowest, responsible bidder for the Total Bid Price..**

**ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA FAX NO LATER THAN FIVE (5)  
BUSINESS DAYS BEFORE BID OPENING**

DELIVERY DATE \_\_\_\_\_, to sites as specified in the bid specifications.  
Discount Terms Based On Net 30 Days Only.

**NEW JERSEY TURNPIKE AUTHORITY**

\_\_\_\_\_

**AUTHORIZED SIGNATURE**

\_\_\_\_\_  
Name of Company and / Authorized Signature of Bidder

## **SIGNATURE PAGE**

**ADDENDA / INQUIRIES:** COMPLETE (if applicable) BEFORE SUBMITTING BID:

Receipt of Addendum / Inquiries # \_\_\_\_\_ dated \_\_\_\_\_ is hereby acknowledged.

Receipt of Addendum / Inquiries # \_\_\_\_\_ dated \_\_\_\_\_ is hereby acknowledged.

☐

**CHECK BOX IF NO ADDENDA/INQUIRY ISSUED**

(All Addenda / Inquiries must be acknowledged as indicated above.)

**BID IRREVOCABLE:** This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this bid except in those instances where an unsuccessful bidder has filed a Protest pursuant to N.J.A.C. 19:9-2.12. Upon notification of a Protest, Bidders are required to hold their prices for an additional 90 days. All bidders will be notified in writing of the action taken by the Authority.

**OFFER/CERTIFICATION:** The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this bid with full authority so to do; and that all statements contained in this bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract. I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

**AUTHORIZED SIGNATURE:** \_\_\_\_\_

Print Name and Title: \_\_\_\_\_

Bidding Entity: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Telephone #: \_\_\_\_\_ Fax: \_\_\_\_\_

NEW JERSEY TURNPIKE AUTHORITY

**NO RESPONSE BID SURVEY**

**BID REQUISITION NUMBER: R-105578**

**BID TITLE: 4-WHEEL DRIVE 72" ROTARY REAR DISCHARGE RIDING MOWER**

If you do not choose to respond to this Bid, please complete the form below:

Name of Company\_\_\_\_\_

Reason you did not respond (Check all that apply)

- \_\_\_\_\_ Cannot supply product or service
- \_\_\_\_\_ Cannot meet technical specifications
- \_\_\_\_\_ Cannot meet delivery specifications
- \_\_\_\_\_ Cannot meet legal requirements  
(i.e. bid/performance/security/insurance, etc.)
- \_\_\_\_\_ Cannot provide a competitive price at this time
- \_\_\_\_\_ Interested in receiving specifications for informational purposes only.
- \_\_\_\_\_ Insufficient lead time to respond
- \_\_\_\_\_ Other :( please be specific)

Do you wish to remain on our mailing list?

\_\_\_\_\_Yes      \_\_\_\_\_No

Additional comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed :( optional)\_\_\_\_\_

Company:\_\_\_\_\_



**ADDITIONAL YEARS PURCHASING OPTION, for R-105578**

**BID TITLE: 4-WHEEL DRIVE 72" ROTARY REAR DISCHARGE RIDING MOWER**

3- Year Open End Option: The Authority shall have the option for one (1) Model Year\* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those required herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes in the two subsequent Model Years, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Procurement and Materials Management and Materials Management Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it is so desires re-bid the requirement.

\*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request For Quotation. In that instance where proposals are for equipment for which "Model Year" and "Production Cut-Off Dates" are undefined or non-existent, the "Model Year" is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is\_\_\_\_\_.

## NEW JERSEY TURNPIKE AUTHORITY

### GENERAL INSTRUCTIONS AND SPECIFICATIONS FOR: 4-WHEEL DRIVE 72" ROTARY REAR DISCHARGE RIDING MOWER

Quantity	Description	Maximum Delivery Date
10	4-Wheel Drive 72" Rotary Rear Discharge Riding Mower	120 Days After Receipt of Order

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#### SPECIFICATIONS: RRDRM-2014: 72" ROTARY REAR DISCHARGE RIDING MOWER

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COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations and shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws, if applicable.

ENERGY STAR REQUIREMENTS: If applicable for items specified in bid package, the vendor must provide products that earn ENERGY STAR and meet the ENERGY STAR specifications for energy efficiency. The vendor is encouraged to visit energystar.gov for complete product specifications and updated lists of qualifying products. The ENERGY STAR label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned ENERGY STAR and meet the ENERGY STAR specifications or other standards for energy efficiency will be supplied.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Procurement and Materials Management at 732-750-5300 before bid submission date. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

PILOT MODEL: Questions, which arise before or during the preparation of the pilot model, shall be addressed in writing via e-mail from the vendor to Peter Perperas (Project Supervisor), perperas@turnpike.state.nj.us at the New Jersey Turnpike Authority on a not to delay basis.

The awarded bidder shall make available one **fully completed** pilot model for inspection and approval by the Authority. The unit shall be transported (responsibility of the awarded vendor) to the NJTA Garden State Parkway Division's Telegraph Hill Maintenance Facility located at Garden State Parkway Exit 116 in Holmdel, NJ 07733.

**DELIVERY INSTRUCTIONS:**

- A. Vendor must contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 for authorization to schedule date and time prior to delivery. **Deliveries shall be made to the NJTA Garden State Parkway Division Telegraph Hill Central Maintenance Facility located at GSP Exit 116 in Holmdel, NJ 07733.**
- B. Vendor shall be responsible for all delivery, shipping and pick-up expenses.
- C. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to Authority delivery.
- D. The following administrative package **must** accompany all deliveries:
- **Certificate of Origin**: stamped “Sales Tax Satisfied” and shall be made out to New Jersey Turnpike Authority, 581 Main St. Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
  - **Invoice**: purchase order number must be displayed on vendors invoice. Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
  - Warranty forms properly executed.
  - Four (4) keys, keyed alike for toolboxes or similar compartments shall be furnished for each vehicle. **NO EXCEPTIONS**
  - Delivery of all units fully completed and fully compliant shall be made no later than one hundred twenty (120) days after receipt of Purchase Order.
  - In the event the vendor fails to deliver the units on the agreed upon time frame set by the vendor and Authority, the vendor shall pay the Authority liquidated damages in the amount of \$26.80 per unit for each calendar day (**No Exceptions for Liquidated Damages**) beyond the **maximum** delivery date, as per Dataquest’s Rental Rate Blue Book for Construction Equipment.
- E. All units shall be delivered with a **minimum** of a half tank of fuel.
- F. Deliveries made directly from the manufacturer to the Authority shall **not** be acceptable.

**WARRANTY:** All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a **minimum** of two (2) years/1500 operational hours from the time of acceptance by the New Jersey Turnpike Authority. All warranties shall start upon written

acceptance of units by the New Jersey Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or Central Shops Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. The vendor shall also have a program to include an in-house warranty. All warranty periods shall start from date of acceptance of unit by the New Jersey Turnpike Authority.

**EXCEPTION SHEET:** Exception sheet is furnished with each set of specifications. Bidders making exceptions must note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicate the exact items to be furnished, with an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken, the word “None” shall be neatly printed or typed on the exception sheet. **Failure to supply information and/or failure to complete the bidder’s exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

**MANUFACTURER’S PRODUCTION SHEET:** The vendor shall furnish one (1) copy of the actual Factory Production Sheet for each unit provided. The copies of the Factory Production Sheet shall be submitted at the time of the Authority’s inspection of the unit.

**TRAINING:** It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer’s owner manual, along with actual operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall include but not limited to all general troubleshooting of the hydraulic system and associated electronics. The instructor shall also emphasize the proper use of tools and test equipment along with general shop safety. The service seminars shall be similar to factory and manufacture type schools. The training shall be scheduled and take place at two (2) sites, four (4) hours at each site designated by the New Jersey Turnpike Authority.

**LABELS:** Plastic stick-on labels shall not be acceptable.

**ADVERTISEMENTS:** No Dealer advertisements shall appear on unit or any other related equipment.

ACCESSORIES: All accessories shall be manufacturer installed when the item is available from the manufacturer.

FACILITIES: Bidders shall represent a manufacturer, which has in operation a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100 mile radius of either Central Shops Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) located in Holmdel, NJ 07733. This facility will be required to establish an in-house warranty program and provide all warranty work related to the equipment in the bid proposal. The bidder shall submit the locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location\_\_\_\_\_

Phone #\_\_\_\_\_

Contact\_\_\_\_\_

Name & Title

**SPECIFICATIONS: RRDRM-2014  
72" ROTARY REAR DISCHARGE RIDING MOWER**

**INTENT:** The intent of this specification is to describe and govern the purchase of a four-wheel drive, 72" rotary rear discharge, diesel powered riding mower. The unit shall be new and of the latest design and be in current production at the time of the submission of bid. All standard and optional equipment shall be Original Equipment Manufacturers (OEM) items, when available.  
**NO EXCEPTIONS.**

**BIDDER'S INSTRUCTIONS**

**IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.**

<b>GENERAL:</b>	<b>COMPLY</b>	
	<b>YES</b>	<b>NO</b>
A. Four-wheel drive, 72" rotary rear discharge, diesel-powered riding mower.		
B. The unit shall be new and of the latest design and be in current production at the time of the submission of bid.		
C. All standard and optional equipment shall be Original Equipment Manufacturers (OEM) items, when available. <b>NO EXCEPTIONS</b>		
<b>ENGINE:</b>		
A. The unit shall have a Kubota or an approved equivalent 3-cylinder, liquid cooled diesel engine.		
B. <b>Minimum</b> 24 gross horsepower at a governed speed of 3,000 rpm.		
C. Engine shall include the following: <ul style="list-style-type: none"><li>• Three (3) start assist glow plugs.</li><li>• Electric fuel pump.</li></ul>		

<ul style="list-style-type: none"> <li>• Replaceable fuel filter/water separator.</li> <li>• Bottom drain for water removal.</li> <li>• Heavy-duty remote mounted air cleaner.</li> <li>• Spark arrestor muffler.</li> <li>• EPA Tier IV compliant.</li> </ul>		
<b>FUEL TANK:</b>		
A. Fuel tank shall have a <b>minimum</b> capacity of eleven (11) gallons.		
B. Fuel tank shall be either located inside of frame or have a metal protective guard completely surrounding it to protect from accidental impacts from trees, brush, fences, guardrails, etc.		
<b>RADIATOR:</b>		
A. Mid-mount industrial radiator with tube and fin construction.		
B. Radiator shall be positioned to draw cool air around the operator.		
C. Stamped top and bottom tanks with internal hydraulic oil cooler in lower tank.		
<b>CONTROLS, GAUGES, &amp; DIAGNOSTICS:</b>		
A. Hand operated throttle.		
B. PTO.		
C. Hydraulic implement lift.		
D. Foot controlled traction pedal.		
E. Brake lock.		
F. The following gauges shall be supplied: <ul style="list-style-type: none"> <li>• Ammeter.</li> <li>• Hour meter.</li> <li>• Fuel gauge.</li> <li>• Coolant temperature switch gauge (shuts down engine in case of overheating).</li> <li>• Oil pressure warning light and buzzer.</li> <li>• Glow plug switch/indicator.</li> </ul>		
<b>ELECTRICAL FEATURES:</b>		
A. 12-volt maintenance free battery with 530 cold cranking amps. Battery must be placed in an appropriate out of the way location in a steel enclosure to prevent damage from rocks and/or debris.		
B. 40-amp alternator.		
C. Seat, PTO, and traction shall have interlock safety switches.		
<b>TRACTION DRIVE:</b>		
A. Hydrostatic transmission with single foot pedal control for forward/reverse ground speed.		
B. On-demand overriding clutch shall prevent rear wheel skidding and shall maintain 2-wheel drive maneuverability and uncut circle in the 4-wheel drive mode.		
<b>IMPLEMENT DRIVE/LIFT:</b>		

A. 1" PTO shaft.		
B. Twin hydraulic cylinders operate lift arms.		
<b>STEERING:</b>		
A. Hydraulic power steering.		
B. Tilt steering wheel with release and lock.		
<b>GROUND SPEED/CLEARANCE:</b>		
A. Speed shall be 0-10 mph, infinitely variable.		
B. Front ground clearance: 6".		
<b>TIRES/WHEELS:</b>		
A. Two (2) front extra traction drive tires, 23 x 9.50-12, tubeless on demountable drop center rims.		
B. Two (2) rear steering tires, 18 x 6.50-8 tubeless, ribbed tread.		
<b>BRAKES:</b>		
A. Individual drum type wheel brakes and parking brakes on front traction wheels used together or individually for steering control or slope mowing.		
B. Dynamic braking through traction drive.		
<b>SEAT:</b>		
A. High-back weight adjustable deluxe suspension seat with arm rests with retractable seat belt.		
<b>STORAGE BOX:</b>		
A. Built-in storage box with a latch down cover.		
<b>ROPS (Roll Over Protective Structure):</b>		
A. An OSHA certified 2-post ROPS with canopy and seatbelt shall be installed on unit.		
<b>COUNTERBALANCE WEIGHTS:</b>		
A. Rear counterbalance weights shall be mounted to rear of unit, if deemed necessary.		
<b>LIGHTS:</b>		
A. Exact location of warning lights shall be determined by contacting the Authority Inspector prior to mounting. <b>NO EXCEPTIONS</b>		
B. The following light package shall be installed onto each unit ordered in this bid package: <ul style="list-style-type: none"> <li>• Whelen Model TIR 3 Series lights or approved equivalent, four (4) of each of the following components: RSA03ZCR, RBKT1, RFLANGEA. Installation instructions shall be as follows:               <ol style="list-style-type: none"> <li>a. Install wiring and flasher relay.</li> <li>b. Install two (2) TIR 3 light bracket assemblies on the inside of the upper rear of the canopy, one (1) on the left and one (1) on the right facing rearward.</li> <li>c. Install two (2) TIR 3 light bracket assemblies on the inside of the upper front of the canopy, one (1) on the left and one (1) on the right facing forward.</li> </ol> </li> </ul>		



<ul style="list-style-type: none"> <li>d. Bolt TIR 3 lights to brackets and install plug ends on light assemblies.</li> <li>e. Install plug ends on two (2) lengths of fifteen feet long 16 gauge/three wire.</li> <li>f. Cover wires with ½" loom.</li> <li>g. Route covered wires from the front lights to the rear lights securing them to each side of the canopy with vinyl coated cable clamps.</li> <li>h. Secure covered wires to each side of the Roll Over Protection Structure (ROPS).</li> <li>i. Route covered wires behind seat along right side.</li> <li>j. Remove the instrument cover; connect the ground wires to the negative terminal of the battery.</li> <li>k. Install an inline fuse on the positive battery terminal to the relay feed.</li> <li>l. Connect the two (2) positive wires to the fused relay.</li> <li>m. Connect the SYNC wires for the forward facing lights together.</li> <li>n. Connect the SYNC wires for the rearward facing lights together.</li> </ul> <ul style="list-style-type: none"> <li>• Whelen Model 200 Series lights or approved equivalent, two (2) of each of the following components: 2EA00ZAR, 2FLANGEB. Installation instructions shall be as follows: <ul style="list-style-type: none"> <li>a. Drill two (2) 4½" diameter holes in rear of engine cover.</li> <li>b. Install new harness plug (Deutsch) type.</li> <li>c. Install plug onto 200 Series lights (Deutsch) type.</li> <li>d. Install lights using rubber grommets.</li> <li>e. Connect SYNC wires.</li> </ul> </li> </ul>		
<b>MOWER DECK:</b>		
A. Rear discharge mower deck shall have a 72" cutting width, three (3) blades, and front mounted rotary.		
B. Unit shall be capable of mowing a minimum of 3½ acres per hour at 5.0 mph.		
C. Mowing deck shall be full floating.		
<b>TRIMMING:</b>		
A. The steel deck shall be offset approximately 5½" to the left from centerline in order to enable the deck to cut further under guard rail and low hanging branches, etc.		
B. Deck over hang from outside of extra traction tire to trim side left shall be approximately 17".		
C. Uncut circle with use of wheel brakes: 0".		
<b>CUTTING HEIGHT:</b>		
A. 1" to 5" adjustable front and rear in ½" increments.		
<b>CONSTRUCTION:</b>		
A. 7-gauge steel, 4" deep, welded construction.		
B. No tool quick-release deck covers.		

<b>CUTTER DRIVE:</b>		
A. Isolation mounted PTO driven gearbox.		
B. "B" section belt drive to all spindles.		
C. 1.25" diameter spindle shafts shall turn on two (2) greaseable tapered roller bearings.		
D. Welded blade retainer.		
<b>BLADES:</b>		
A. Three (3) 21" long x .25" thick heat-treated steel blades.		
B. Anti-scalp cup shall be located on each blade.		
<b>SUSPENSION &amp; CASTER WHEELS:</b>		
A. Two (2) front (8" x 3.5") pneumatic caster tires and maintenance free roller bearings.		
B. Five (5) anti-scalp rollers.		
C. Independent lift arms and hydraulic weight transfer shall provide deck floatation.		
<b>PAINT:</b>		
A. Manufacturer's standard.		
<b>CERTIFICATION:</b>		
A. Cutting unit shall meet specifications of ANSI B71.4-2004 Safety Specifications for Commercial Turf Care.		
<b>MANUALS:</b>		
A. The following manuals shall be provided with <u>each</u> unit at time of delivery: <ul style="list-style-type: none"> <li>• Operating-2</li> <li>• Maintenance-1</li> <li>• Repair-1</li> <li>• Parts-1</li> </ul>		

[illegible]

**Vendor's Name** \_\_\_\_\_

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